OAK RIDGE NATIONAL LABORATORY

MANAGED BY UT-BATTELLE FOR THE U.S. DEPARTMENT OF ENERGY



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Last week the new schedule has been presented and is reflected in the table. "Working schedule dates" are also shown and reflect the actual week to week change in the data as the deliveries come in. The will be measured against the baseline dates. Overall DTL 3 is on schedule and rf conditioning dates have moved closer to the end of the month with a push to make this up. The DTL 1 schedule is still varying given on the actual data as components come in from vendors. The ability to start rf conditioning in time with the IPS milestone looks less likely. We will try to rework the schedule.

29 (of 33) Tank-3 drift tubes have been delivered to ORNL. Two more are completed and will be shipped following vacuum outgassing measurements. Forecast ship date is 3/10. The final two drift tubes are the BPM dummies. One is undergoing final profile machining while the last will undergo its cap weld next week. Delivery forecasts meet the ORNL prep and installation schedule. Tank-1 rebuild are proceeding well. The last diverter-body brazes are complete. We are loading PMQs for next week's cap weld campaign at ESCO. Meanwhile, the first batch of T-1 welded drift tubes are undergoing final machining. We received the report from the Feb 17-21 review by our DTL External Advisory (P. Grand, Chair) and it was attached to the last weekly. Overall report was very positive and supportive of the recovery effort. The top hat plating adhesion problem (reported in previous reports) was solved. Unsatisfactory threads were discovered in the top hats. They are being reworked over the weekend. Further improvements in vendor QA are being implemented.

On DTL-3 we have received 31 of the 33 drift tubes for DTL-3. All but the last two of these DT's have been fiducialized. DTL-3 DT's have been moved to the tunnel and installation has begun (see attached photo). Installation and alignment of the DT's in hand will be complete early next week. On DTL-1 a DT was installed in the DTL-1 tank in RATS and stiffness and vibration tests were performed. No DT deformation was observed when external loads up the 35 pounds were applied to the mount. Vibration test results are being analyzed. The DTL-1 tank is being leak checked in RATS. A few very small leaks remain but even with these small leaks, a base pressure of ~8*10-8 torr has been reached. Late this week the DTL-1 tank will be prepared for transport to the tunnel, which will occur on Monday, March 17.



Picture of DTL in the tunnel with the first two drift tubes installed. Installation of available drift tubes should be done by the end of this week.

Milestone description	Baseline date	Working Schedule	Number total	Number or % complete	Delta last week
DTL 3 DT's repair	Feb 28 th '03	Mar 31 st	27	27	2
DTL 3 EMDs	Mar 12 th '03	Feb 27 th	4	4	0
DTL 3 Dummies	Mar 12 th '03	Mar 19 th	2	0	0
DTL 3 BPM's	Aug 31 st '03		2	0	0
DTL 3 Top hats	Mar 6 th '03	Mar 14 th	31	25	25
DTL 3 postcouplers	Mar 6 th '03	Mar 27 th	16	0	0
Waveguide taper	Mar 13 th '03	Mar 24 th	1	0	0
DTL 3 ready for RF	April 16 th '03	April 29 th		IPS marker DTL045	
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DTL 1 DT's repair	Mar 18 th '03	Mar 18 th	7	7	0
DTL 1 DT's rebuilt	April 17 th '03	Apr 15 th	48	0	0
DTL 1 dummies	Mar 27 th '03	Mar 28 th	4	0	0
DTL 1 DT's installed	May 1 st '03	Apr 29 th	100 %	0	0
DTL 1 other parts	April 1 st '03		100 %	84%	0
All DTL 1 parts shipped	Mai 20 th '03	Mai 23 rd	100 %	23%/ IPS marker DTL055	0
DTL 1 ready for rf	May 21 th '03	??	100 %	IPS marker DTLINK31	